

WE CLAIM:

1. A method of operating a wireless communication system, the  
5 method comprising:  
initiating a call from a first communications unit to a second  
communications unit;  
embedding a push-to-listen control protocol configuration in a data  
packet responsive to the call initiation;  
10 transmitting the data packet from the first communications unit to  
the second communications unit; and  
configuring the second communications unit based on the push-to-  
listen control protocol configuration.
- 15 2. The method of claim 1, further comprising:  
transmitting an automatic reconnect from the second  
communications unit to the first communications unit responsive to said  
configuring step.
- 20 3. The method of claim 1 further comprising:  
performing a security authorization.
4. The method of claim 3 wherein the step of performing a security  
authorization  
25 further comprises:  
comparing an incoming push-to-listen call with a list of authorized  
push-to-listen calls;  
initiating the call if the caller is on the list.

5. The method of claim 1, further comprising:  
embedding a timed response control protocol configuration in the  
data packet; and  
5 configuring the second communications unit based on the timed  
response control protocol configuration.
6. The method of claim 5 further comprising:  
adjusting the timed response control protocol configuration in at  
10 least one subsequent data packet during the call; and  
reconfiguring the second communications unit based on the timed  
response control protocol configuration.
7. The method of claim 1, further comprising:  
15 embedding an additional hang time control protocol configuration in  
the data packet; and  
configuring the second communications unit based on the  
additional hang time control protocol configuration.
- 20 8. The method of claim 7, further comprising:  
adjusting the additional hang time control protocol configuration in  
at least one subsequent data packet during the call; and  
reconfiguring the second communications unit based on the  
additional hang time control protocol configuration.
- 25 9. The method of claim 1, further comprising:  
embedding a gain control protocol configuration in the data packet;  
and  
configuring the second communications unit based on the gain  
30 control protocol configuration.

10. The method of claim 9, wherein the gain control protocol controls the gain of the microphone of the second communications unit.

5 11. The method of claim 9, wherein the gain control protocol controls the gain of the speaker of the second communications unit.

12. The method of claim 9, further comprising:  
adjusting the gain control protocol configuration in at least one  
10 subsequent data packet during the call; and  
reconfiguring the second communications unit based on the gain control protocol configuration.

13. The method of claim 12, wherein adjusting the gain control protocol  
15 configuration adjusts the gain of the microphone of the second communications unit.

14. The method of claim 12, wherein adjusting the gain control protocol  
configuration adjusts the gain of the speaker of the second communications unit.

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15. A wireless communication system comprising:  
means to initiate a call from a first communications unit to a second  
communications unit;  
means to embed a push-to-listen mode control protocol  
25 configuration in a data packet responsive to the call initiation;  
means to transmit the data packet from the first communications unit to the second communications unit; and  
means to configure the second communications unit based on the push-to-listen mode control protocol configuration.

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16. The system of claim 15, further comprising:  
means to transmit an automatic reconnect from the second  
communications unit to the first communications unit responsive to said  
5 configuring step.

17. The wireless communication system of claim 15, further  
comprising:  
means to embed an additional hang time control protocol  
10 configuration in the data packet; and  
means to configure the second communications unit based on the  
additional hang time control protocol configuration.

18. The wireless communication system of claim 16 further comprising:  
15 means to adjust the additional hang time control protocol  
configuration in at least one subsequent data packet during the call; and  
means to reconfigure the second communications unit based on  
the additional hang time control protocol configuration.

20 19. The wireless communication system of claim 15, further  
comprising:  
means to embed a timed response control protocol configuration in  
the data packet; and  
means to configure the second communications unit based on the  
25 timed response control protocol configuration.

20. The wireless communication system of claim 18 further comprising:  
means to adjust the timed response control protocol configuration  
in at least one subsequent data packet during the call; and  
30 means to reconfigure the second communications unit based on  
the timed response control protocol configuration.

21. The wireless communication system of claim 15 further comprising:  
means to embed a gain control protocol configuration in the data  
packet; and

5 means to configure the second communications unit based on the  
gain control protocol configuration.

22. The wireless communication system of claim 20 further comprising:  
means to adjust the gain control protocol configuration in at least  
10 one subsequent data packet during the call; and

means to reconfigure the second communications unit based on  
the gain control protocol configuration to increase the gain on the microphone of  
the second communications unit.

15 23. The wireless communication system of claim 20 further  
comprising:

means to adjust the gain control protocol configuration in at least  
one subsequent data packet during the call; and

20 means to reconfigure the second communications unit based on  
the gain control protocol configuration to increase the gain on the speaker of the  
second communications unit.

24. A computer usable medium storing a computer program comprising:

- 5 computer readable code for initiating a call from a first communications unit to a second communications unit;
- computer readable code for embedding a push-to-listen mode control protocol configuration in a data packet responsive to the call initiation;
- computer readable code for transmitting the data packet from the first communications unit to the second communications unit; and
- 10 computer readable code for configuring the second communications unit based on the push-to-listen mode control protocol configuration.

25. The computer usable medium storing a computer program of claim 15 24, further comprising:

- computer readable code for transmitting an automatic reconnect from the second communications unit to the first communications unit responsive to the configuration of the second communications unit based on the push-to-listen mode control protocol configuration..
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26. The computer usable medium storing a computer program of claim 24, further comprising:

- computer readable code for performing a security authorization.

25 27. The computer usable medium storing a computer program of claim 24, further comprising:

- computer readable code for embedding an additional hang time control protocol configuration in the data packet; and
- computer readable code for configuring the second
- 30 communications unit based on the additional hang time control protocol configuration.

28. The computer usable medium storing a computer program of claim 26, further comprising:

5 computer readable code for adjusting the additional hang time control protocol configuration in at least one subsequent data packet during the call; and

10 computer readable code for reconfiguring the second communications unit based on the additional hang time control protocol configuration.

29. The computer usable medium storing a computer program of claim 24, further comprising:

15 computer readable code for embedding a timed response control protocol configuration in the data packet; and  
computer readable code for configuring the second communications unit based on the timed response control protocol configuration.

30. The computer usable medium storing a computer program of claim 28, further comprising:

20 computer readable code for adjusting the timed response control protocol configuration in at least one subsequent data packet during the call; and  
computer readable code for reconfiguring the second communications unit based on the timed response control protocol configuration.

25 31. The computer usable medium storing a computer program of claim 24, further comprising:

computer readable code for embedding a gain control protocol configuration in the data packet; and  
30 computer readable code for configuring the second communications unit based on the gain control protocol configuration.

32. The computer usable medium storing a computer program of claim 30, further comprising:

5 computer readable code for adjusting the gain control protocol configuration in at least one subsequent data packet during the call; and  
computer readable code for reconfiguring the second communications unit based on the gain control protocol configuration to increase the gain on the speaker of the second communications unit.

10 33. The computer usable medium storing a computer program of claim 30, further comprising:

computer readable code for adjusting the gain control protocol configuration in at least one subsequent data packet during the call; and  
15 computer readable code for reconfiguring the second communications unit based on the gain control protocol configuration to increase the gain on the microphone of the second communications unit.

34. A method of operating a wireless communication system, the method comprising:

20 initiating an emergency call from a second communications unit to an emergency number;

terminating the emergency call;

configuring the second communications unit with an emergency push-to-listen mode control protocol; and

25 initiating a call to a first communications unit responsive to the configuring the second communications unit with an emergency push-to-listen mode control protocol.